

SEQUENCE LISTING

<110> Stanton, Jr., Vincent P.

<120> GENE SEQUENCE VARIANCES IN GENES RELATED
TO FOLATE METABOLISM HAVING UTILITY IN
DETERMINING THE TREATMENT OF DISEASE

<130> 11926-092001

<140> 09/638,267

<141> 2000-08-14

<150> 09/596,033

<151> 2000-06-15

<150> 09/357,743

<151> 1999-07-20

<150> 09/357,024

<151> 1999-07-19

<150> 60/093,484

<151> 1998-07-20

<160> 1

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2196

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic construct

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<222> 1784

<223> n = a or g

<221> misc_feature

<222> 464

<223> n = g or t

<221> misc_feature

<222> 120, 519, 668, 1059, 1308

<223> n = c or t

<221> misc_feature

<222> 1289

<223> n = c or a

<400> 1

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ggcagtgcc a gcagtggcag tgagagctcc aaagatagtt cgagatgttc caccgccggg 120

| | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| ctggaccctg | agcggcatga | gagactccgg | gagaagatga | ggcggcgatt | ggaatctggt | 180 |
| gacaagtggg | tctccctgga | attcttccct | cctcgaactg | ctgaggggagc | tgtcaatctc | 240 |
| atctcaagg | ttgaccggat | ggcagcaggt | ggccccctct | acatagacgt | gacctggcac | 300 |
| ccagcaggtg | accctggctc | agacaaggag | acctcctcca | tgatgatcgc | cagcaccgcc | 360 |
| gtgaactact | gtggcctgga | gacctcctg | cacatgacct | gctgccgtca | gcgcctggag | 420 |
| gagatcacgg | gccatctgca | caaagctaag | cagctgggcc | tgangaacat | catggcgctg | 480 |
| cggggagacc | caataggtga | ccagtgggaa | gaggaggang | gaggcttcaa | ctacgcagtg | 540 |
| gacctggtga | agcacatccg | aagtgagttt | ggtgactact | ttgacatctg | tgtggcaggt | 600 |
| taccccaaag | gccacccga | agcaggggagc | tttgaggctg | acctgaagca | cttgaaggag | 660 |
| aagggtgntg | cgggagccga | tttcatcatc | acgcagcttt | tctttgaggc | tgacacattc | 720 |
| ttccgctttg | tgaaggcatg | caccgacatg | ggcatcactt | gccccatcgt | ccccgggac | 780 |
| tttcccatcc | agggctacca | ctcccttcgg | cagcttgatg | agctgtccaa | gctggagggtg | 840 |
| ccacaggaga | tcaaggacgt | gattgagcca | atcaaagaca | acgatgctgc | catccgcaac | 900 |
| tatggcatcg | agctggccgt | gagcctgtgc | caggagcttc | tggccagtg | cttggtgcc | 960 |
| ggcctccact | tctacaccct | caaccgcgag | atggctacca | cagagggtgct | gaagcgcctg | 1020 |
| gggatgtgga | ctgaggaccc | caggcgctccc | ctaccctgng | ctctcagtg | ccaccccaag | 1080 |
| cgcgagagg | aagatgtacg | tcccatcttc | tgggcctcca | gaccaaagag | ttacatctac | 1140 |
| cgtacccagg | agtgggacga | gttccctaac | ggcgcctggg | gcaattcctc | ttccccctgcc | 1200 |
| tttggggagc | tgaaggacta | ctacctcttc | tacctgaaga | gcaagtcccc | caaggaggag | 1260 |
| ctgctgaaga | tgtgggggga | ggagctganc | agtgaagcaa | gtgtcttnga | agtctttggt | 1320 |
| ctttacctct | cgggagaacc | aaaccggaat | gtcacaaaag | tgacttgctt | gccctggaac | 1380 |
| gatgagcccc | tggcggctga | gaccagcctg | ctgaaggagg | agctgctgcg | ggtgaaccgc | 1440 |
| cagggcaccc | tcaccatcaa | ctcacagccc | aacatcaacg | ggaagccgtc | ctccgacccc | 1500 |
| atcgtgggct | ggggccccag | cgggggctat | gtcttcacga | aggcctactt | agagtctttc | 1560 |
| acttcccgcg | agacagcgga | agcacttctg | caagtgctga | agaagtacga | gctccggggt | 1620 |
| aattaccacc | ttgtcaatgt | gaagggtgaa | aacatcacca | atgccccctga | actgcagccg | 1680 |
| aatgctgtca | cttggggcat | cttccctggg | cgagagatca | tccagcccac | cgtagtggat | 1740 |
| ccgctcagct | tcatgttctg | gaaggacgag | gcctttgccc | tgtngattga | gcggtgggga | 1800 |
| aagctgtatg | aggaggagtc | cccgtcccgc | accatcatcc | agtacatcca | cgacaactac | 1860 |
| ttcctgggtca | acctgggtgga | caatgacttc | ccactggaca | actgcctctg | gcagggtggtg | 1920 |
| gaagacacat | tggagcttct | caacaggccc | accagaatg | cgagagaaac | ggaggctcca | 1980 |
| tgacctgcg | tcttgacgcc | ctgcgttgga | gccactcctg | tcccgccttc | ctcctccaca | 2040 |
| gtgctgcttc | tcttggggaa | tccactctcc | ttcgtgtctc | tcccacccc | gcctccactc | 2100 |
| ccccacctga | caatggcagc | tagactggag | tgaggcttcc | aggctcttcc | tggacctgag | 2160 |
| tccgccccac | atgggaacct | agtactctct | gctcta | | | 2196 |